

Converting Colors

$Yxy(48.8691, 0.2070, 0.2569)$

Have a look what the booklet for
Yxy(48.8691, 0.2070, 0.2569)
contains.

| | |
|--|----|
| Yxy(48.8686, 0.2070, 0.2569) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(48.8686, 0.2070, 0.2569)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 22C8FF |
| RGB | 34, 200, 255 |
| RGB Percent | 13%, 78%, 100% |
| CMY | 0.8649, 0.2157, 0.0000 |
| CMYK | 0.86, 0.22, 0.00, 0.00 |
| HSL | 195°, 100%, 57% |
| HSV | 195°, 86%, 100% |
| XYZ | 39.3764, 48.8686, 101.9792 |
| YIQ | 156.6360, -116.5910, -18.0870 |

Conversions

Conversions Part 2

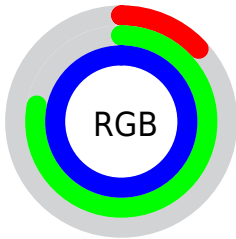
| Format | Color |
|-------------------------------------|---------------------------------|
| R _Y B | 34, 129, 255 |
| Decimal | 2279679 |
| CIE Lab | 75.37, -21.10, -38.15 |
| CIE LCh | 75, 43.592, 241.055 |
| Yxy | 48.8686, 0.2070, 0.2569 |
| Android (android.graphics.Color) | 4280469759 (0xFF22C8FF) |
| YUV | 156.6360, 48.4935, -107.5518 |
| Hunter-Lab | 69.9061, -21.7909, -37.5582 |

Details

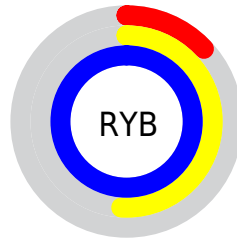
The Yxy color **48.8686, 0.2070, 0.2569** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **28.6000, 0.5756, 0.3646**, and the grayscale version is **33.4213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8776, 0.2453, 0.3288**, and **24.6350, 0.2003, 0.2410** is the 20% darker color. If you saturate the color by 10%, you get **45.6940, 0.2025, 0.2476**, and if you desaturate by 10%, it is **52.4881, 0.2134, 0.2663**.

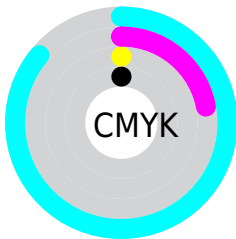
Distribution



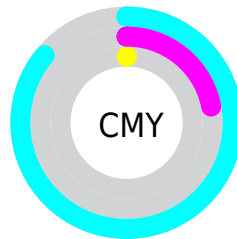
- Red (13%)
- Green (78%)
- Blue (100%)



- Red (13%)
- Yellow (51%)
- Blue (100%)



- Cyan (86%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (86%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8686, 0.2070, 0.2569 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 48.8686, 0.2070, 0.2569 by changing the saturation by 10% instead.


 48.8686, 0.2070,
0.2569


 48.8686, 0.2070,
0.2569


382.2248, 0.2565,
0.2930

 34.5153, 0.1958,
0.2482


 88.4963, 0.2241,
0.2698


 23.2897, 0.1822,
0.2372


 114.5394, 0.2308,
0.2748

 14.8076, 0.1652,
0.2231


 145.2479, 0.2366,
0.2789

 8.6844, 0.1439,
0.2044

 181.0061, 0.2416,
0.2825

 4.5359, 0.1166,
0.1790

222.1986, 0.2460,
0.2857

 1.9776, 0.0820,
0.1435

269.2095, 0.2499,

 0.5944, 0.0078,

0.2884

0.0931

322.4235, 0.2534,
0.2908

■ 0.0000, 0.0000,
0.0000

■ 48.8686, 0.2070,
0.2569

■ 48.8686, 0.2070,
0.2569

■ 45.6940, 0.2025,
0.2476

■ 52.4881, 0.2134,
0.2663

■ 44.6529, 0.2012,
0.2444

■ 56.6131, 0.2219,
0.2758

■ 61.2940, 0.2323,
0.2850

■ 66.5737, 0.2443,
0.2940

■ 72.4900, 0.2577,
0.3026

■ 79.0772, 0.2721,
0.3106

■ 86.3669, 0.2872,
0.3181

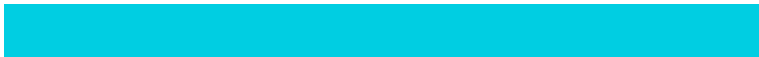
■ 94.3882, 0.3026,
0.3249

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.8686, 0.2117, 0.3003



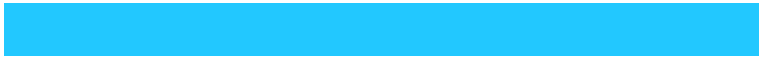
48.8686, 0.2070, 0.2569



48.8686, 0.2265, 0.2369

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.8686, 0.2070, 0.2569



48.8686, 0.3859, 0.2963



48.8686, 0.3494, 0.4385

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



48.8686, 0.2070, 0.2569



28.6000, 0.5756, 0.3646

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



48.8686, 0.4008, 0.4243



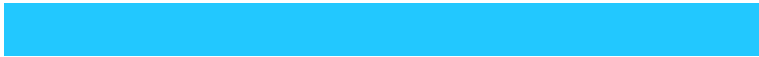
48.8686, 0.2070, 0.2569



48.8686, 0.4252, 0.3409

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



48.8686, 0.2070, 0.2569



48.8686, 0.3265, 0.2603



48.8686, 0.4299, 0.3868



48.8686, 0.2908, 0.4154

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.8686, 0.2070, 0.2569



48.8686, 0.2521, 0.2360



48.8686, 0.4299, 0.3868



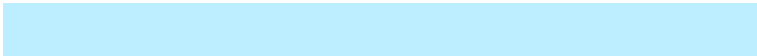
48.8686, 0.3681, 0.4375

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



48.8691, 0.2070, 0.2569



79.4189, 0.2728, 0.3110



72.5381, 0.2900, 0.5519



16.4913, 0.2677, 0.3083



0.0000, 0.0000, 0.0000



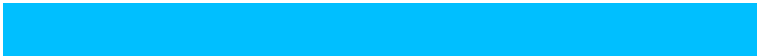
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.8691, 0.2070, 0.2569



44.6529, 0.2012, 0.2444



15.4423, 0.1685, 0.1148



19.6688, 0.2980, 0.3229



23.5813, 0.2017, 0.2459



2.4688, 0.2046, 0.2565

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



26.5992, 0.3846, 0.1958



25.0389, 0.3978, 0.1965



60.9418, 0.4633, 0.4605



18.2184, 0.3176, 0.3113



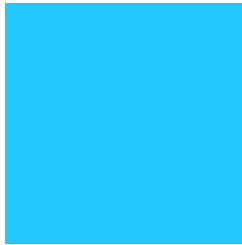
13.1085, 0.3963, 0.1957



1.2938, 0.3858, 0.1899

Previews

White Background



This preview shows how the Yxy color 48.8686, 0.2070, 0.2569 looks on a white background.

Color Contrast Check

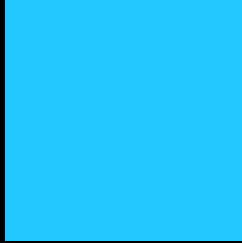
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 48.8686, 0.2070, 0.2569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

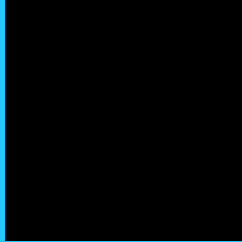
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

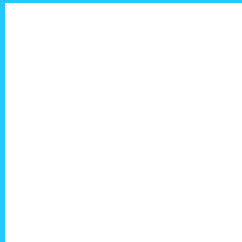
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.8686, 0.2070, 0.2569

Background



This preview shows how black text looks on a background with the Yxy color 48.8686, 0.2070, 0.2569.



This preview shows how white text looks on a background with the Yxy color 48.8686, 0.2070, 0.2569.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

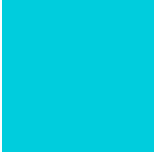
48.8686, 0.2070, 0.2569

Protanopia

48.1316, 0.2610, 0.2576

Deuteranopia

48.0468, 0.2473, 0.2421



Tritanopia

48.8831, 0.2183, 0.3060

Trichromacy



Original Color

48.8686, 0.2070, 0.2569



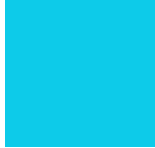
Protanomaly

46.9710, 0.2314, 0.2561



Deuteranomaly

47.1926, 0.2251, 0.2460



Tritanomaly

48.6806, 0.2138, 0.2872

Monochromacy



Original Color

48.8686, 0.2070, 0.2569



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

37.1821, 0.2512, 0.2989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8686, 0.2070, 0.2569 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(34, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(34, 200, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(34, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 200, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.8686, 0.2070, 0.2569 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(34, 200, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(34, 200, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(34, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(34, 200,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8686, 0.2070, 0.2569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 200, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(34, 200,  
255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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